



AUTOMATIC BLOW MOLDING MACHINE
Service From Heart - Achievement From Collaboration



EXPOSITION OF FULL SHINE'S MACHINE MODEL

機械型號索引系列

SCREW DIAMETER (MM)	MACHINE SERIES	MOLD HEAD (DIE HEAD)	MOLD STATION	PRODUCT TYPE
螺桿直徑 (mm)	機械類別	模頭	模架	產品形式
40	(H) Horizontal	(S) Single Mold Head	(S) Single Mold Station	(O) Original
	(H) 平行式開模機採用蝕性滑桿	(S) 單模頭	(S) 單模架	(O) 一般
45	(P) Parallel	(D) Double Mold Heads	(D) Double Mold Stations	(C) Two Colors
	(P) 平行式移模	(D) 雙模頭	(D) 雙模架	(C) 雙色
55	(O) Standard/Oblique	(T) Three Mold Heads		(D) Two Layers
	(O) 標準型/斜移式	(T) 三模頭		(D) 雙層
65	(A) Pneumatic	(F) Four Mold Heads		(T) Three Layers
	(A) 空壓式	(F) 四模頭		(T) 三層
75	(L) Frontal	(E) Eight Mold Heads		(F) Four Layers
	(L) 前向取出機型	(E) 八模頭		(F) 四層
80	(I) Lateral			(L) Six Layers
	(I) 側向取出機型			(L) 六層
90				(V) View Stripe
				(V) 視窗
100				(P) PC baby bottle
				(P) PC奶瓶
Example 範例				
FS-65	P	D	S	D

AUTOMATIC BLOW MOLDING MACHINE

H SERIES (HORIZONTAL MOTION)

全自動押出中空吹氣成型機

H 系列 (平移式模架、開關模採導桿控制)

PRODUCT FEATURE

- HMI Touch Screen (Option), Incorporating with PLC System for Easy Maintenance.
- Fine Steel Slide Bars for Swift Mold Opening and Closing with Horizontal Motion of Carriages by Linear Slide Way.
- Screw Drive by the Control of Direct-mounted Gear Box and Inverter Motor.
- Mold Head with the Head Lift-Up Device for Swift Material Extrusion.
- Blowing Unit Driven by Hydraulic Motor for Changing Mold Easily – Innovative Design.

產品特點

- HMI 觸控式電腦螢幕 (選配)，搭配 PLC 電控系統，修改容易，方便於當地維護。
- 開閉模採用圓型鋼柱導桿形式，平移式移模以德製線型滑軌為基礎滑動運作方式。
- 螺桿傳動方式採直結式德製齒輪箱搭配變頻馬達驅動。
- 仰頭式模頭作動方式，使下料迅速，避免沾黏模具。
- 吹氣座配置快速移動變換位置功能，以利模具更換、節省時間，此功能屬創新便捷設計。



• Sample Bottles



• Slide Bars for Clamping & Linear Slideway for Carriages



• Four Column Slide Bars for Mold Clamping



• Direct-mounted Motor, Made in Germany



MOLD PLATEN DIMENSION

模板容模尺寸

P SERIES • P 系列

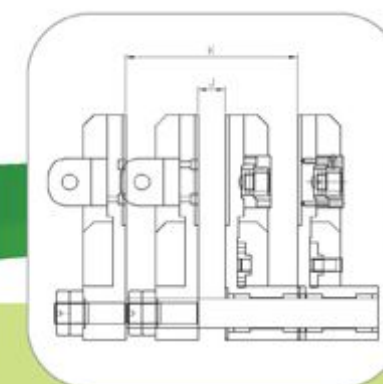
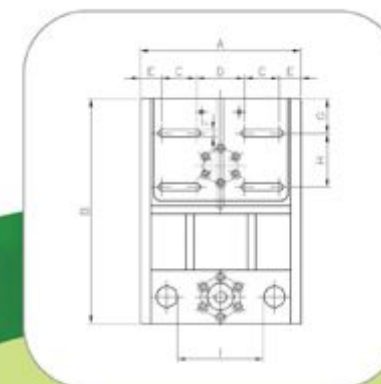
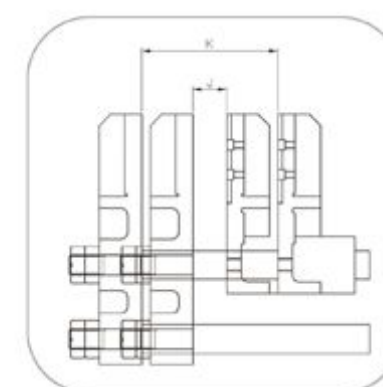
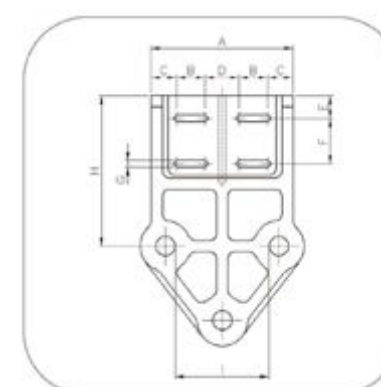
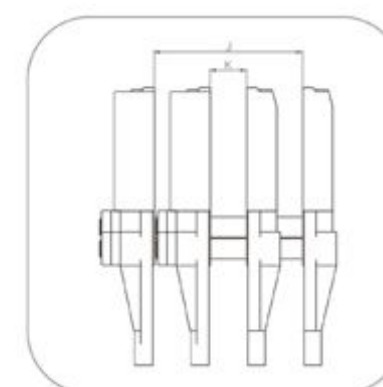
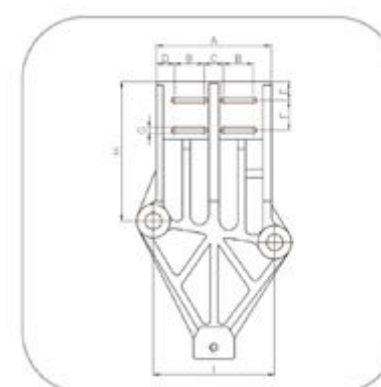
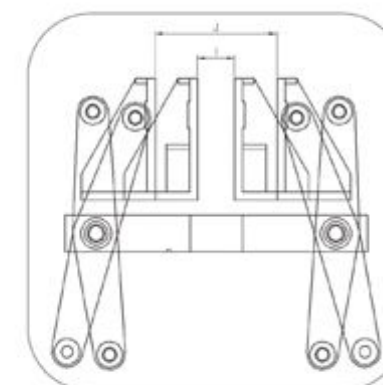
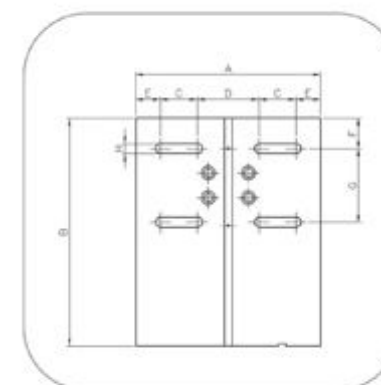
型號	FS-45	FS-55	FS-65	FS-75	FS-90
A	300	320	360	430	520
B	370	400	450	480	650
C	60	60	60	85	120
D	100	140	160	160	170
E	40	30	40	50	55
F	50	50	60	60	100
G	120	150	150	120	160
H	16	16	16	16	18
I	115	118	145	235	270
J	370	405	400	610	805

O SERIES • O 系列

型號	FS-45	FS-55	FS-65
A	290	306	350
B	71	79	79
C	49	48	53
D	50	52	86
E	50	50	60
F	80	80	100
G	14	16	16
H	300	340	345
I	210	230	295
J	50	50	140
K	320	410	540

H SERIES • H 系列

型號	FS-40	FS-45	FS-55	FS-65	FS-75
A	230	300	350	420	480
B	50	420	480	560	635
C	45	65	70	80	70
D	60	90	110	96	220
E	40	40	50	82	60
F	80	14	16	16	17
G	12	65	65	50	60
H	265	100	120	150	160
I	110	160	255	295	270
J	60	50	50	140	130
K	240	320	410	540	650



H SERIES · TABLE OF PRODUCT SPECIFICATION

H 系列 · 產品規格表

	MODEL	型號		FS-40 HSSO	FS-45 HSSO	FS-55 HSSO	FS-65 HSSO	FS-75 HSSO	FS-40 HSDO	FS-45 HSDO	FS-55 HSDO	FS-65 HSDO	FS-75 HSDO
	TYPE	樣式		Single Die-head 單模頭/Single Station 單模架					Double Die-head 雙模頭/Single Station 單模架				
1	Material	使用塑料		PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP
2	Screw diameter	擠桿直徑	m/m	40	45	55	65	75	40	45	55	65	75
3	Screw L/D ratio	擠桿比列	L/D	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1
4	Screw R.P.M. speed	擠桿轉速	r.p.m.	20-66	15-61	15-60	15-60	15-58	20-66	15-61	15-60	15-60	15-58
5	Inverter motor	變頻馬達	HP	5	7.5	10	15	25	5	7.5	10	15	25
6	Oil hydraulic drive motor	幫浦驅動馬力	HP	5	7.5	10	10	15	5	7.5	10	10	15
7	Optional air compressor	空氣壓縮機馬力	HP	5	5	7.5	7.5	10	5	5	7.5	7.5	10
8	Air pressurer	空氣壓力	Kg/cm2	4.6	4.6	4.6	5.7	5.7	4.6	4.6	5.7	5.7	5.7
9	Clamping force	鎖模壓力	Ton	2.8	3.9	4.4	6.9	10	2.8	3.9	4.4	6.9	10
10	Oil tank capacity	油槽容量	Gallon	38	55	60	80	120	38	55	60	80	120
11	Number of heaters	加熱點數	ZONE	4	4	4	5	5	6	6	7	8	8
12	Heating capacity	加熱容量	KW	7	9.5	12.5	16.8	18	7.5	10.25	13.6	17.5	19
13	Total installed power	總電力	KW	15	21	30	43.5	48	15.5	22	29.5	37	50
14	Extruding capacity per hour	挤出量	Kg/hr	15	24	36	55	75	15	24	36	55	75
15	Dry cycle per hour	每小時空循環	time/hr	1285	1030	880	720	650	1285	1030	880	720	650
16	Product capacity	產品容量	c.c./L	15-500	60-1000	150-2500	500-5000	1L-10L	15-200	40-500	100-1250	280-1800	0.5L-2.5L
17	Product weight	產品重量	g	5-40	10-100	20-170	40-280	80-500	4-25	5-40	10-100	20-170	40-170
18	Min./Max. diameter of product	產品最大/最小直徑	m/m	10-75	20-100	30-140	50-200	80-260	10-65	20-70	30-85	40-100	40-130
19	Extruding mouth outer diameter	模嘴外徑	m/m	50	56	80	150	200	38	42	50	65	80
20	Mold center distance	模中心距離	m/m	*	*	*	*	*	85	100	120	140	160
21	Clamping distance	開閉模輪距	m/m	20-230	50-320	50-410	140-540	160-670	50-230	50-320	50-410	140-540	160-670
22	Length of mold capacity	容模長度	m/m	100-210	126-232	156-292	200-380	236-452	100-210	126-232	156-292	200-380	236-452
23	Width of mold capacity	容模寬度	m/m	160	200	255	295	340	160	200	255	295	340
24	Machine net weight	機器淨重	Kg	2300	2800	3300	4200	7100	2400	3000	3400	4400	7300
25	Machine dimension	機器尺寸	m	2.3*1.7*2.2	3*1.4*2.3	3*1.5*2.3	3.6*1.6*2.6	4.2*1.7*2.7	2.3*1.7*2.2	3*1.4*2.3	3*1.5*2.3	3.6*1.6*2.6	4.2*1.7*2.7

	MODEL	型號		FS-45 HSDO	FS-55 HSDO	FS-65 HSDO	FS-75 HSDO	FS-55 HTDO	FS-65 HTDO	FS-75 HTDO	FS-55 HFDO	FS-65 HFDO	FS-75 HFDO
	TYPE	樣式		Double Die-head 雙模頭/Double Station 雙模架				Three Head 參模頭/Double Station 雙模架		Four Head 肆模頭/Double Station 雙模架			
1	Material	使用塑料		PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP
2	Screw diameter	擠桿直徑	m/m	45	55	65	75	55	65	75	55	65	75
3	Screw L/D ratio	擠桿比列	L/D	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1
4	Screw R.P.M. speed	擠桿轉速	r.p.m.	15-61	15-60	15-60	15-58	15-60	15-60	15-58	15-60	15-60	15-58
5	Inverter motor	變頻馬達	HP	10	10	15	30	10	15	30	10	15	30
6	Oil hydraulic drive motor	幫浦驅動馬力	HP	7.5	10	10	15	10	10	15	10	10	15
7	Optional air compressor	空氣壓縮機馬力	HP	10	15	15	20	15	15	20	15	15	20
8	Air pressurer	空氣壓力	Kg/cm2	4.6	4.6	5.7	5.7	4.6	5.7	5.7	6.8	6.8	6.8
9	Clamping force	鎖模壓力	Ton	3.9	4.4	6.9	10	4.4	6.9	10	4.4	6.9	10
10	Oil tank capacity	油槽容量	Gallon	60	80	120	160	80	120	160	80	120	160
11	Number of heaters	加熱點數	ZONE	6	7	8	8	9	10	10	11	13	13
12	Heating capacity	加熱容量	KW	10.25	13.6	17.5	19	15	19.3	21.5	16.5	20.8	25.7
13	Total installed power	總電力	KW	26	30	38	54	32	40	56.5	23	40	51.5
14	Extruding capacity per hour	挤出量	Kg/hr	32	36	55	75	36	55	75	36	55	75
15	Dry cycle per hour	每小時空循環	time/hr	1030*2	880*2	720*2	650*2	850*2	720*2	650*2	750*2	750*2	650*2
16	Product capacity	產品容量	c.c./L	30-200	40-500	100-1000	280-2000	15-300	50-600	100-1000	50-250	100-400	200-600
17	Product weight	產品重量	g	4-20	5-40	10-65	20-110	5-25	8-45	10-70	5-20	10-30	20-50
18	Min./Max. diameter of product	產品最大/最小直徑	m/m	10-65	20-70	30-85	40-110	10-55	20-70	30-90	20-65	20-70	30-90
19	Extruding mouth outer diameter	模嘴外徑	m/m	42	50	65	80	40	55	80	37	42	50
20	Mold center distance	模中心距離	m/m	100	120	140	160	85+85	100+100	120+120	100+100+100	120+120+120	
21	Clamping distance	開閉模輪距	m/m	50-320	50-410	140-540	160-670	50-410	140-540	160-670	50-410	140-540	160-670
22	Length of mold capacity	容模長度	m/m	126-232	156-292	200-380	236-452	156-292	200-380	236-452	156-292	200-380	236-452
23	Width of mold capacity	容模寬度	m/m	200	255	295	340	255	295	340	255	295	340
24	Machine net weight	機器淨重	Kg	6600	7000	7500	8500	7100	7600	8700	7200	7700	8900
25	Machine dimension	機器尺寸	m	3*1.8*2.5	3*1.9*2.5	3.6*2.0*2.8	4.2*2.3*3.0	3*1.9*2.5	3.6*2.0*2.8	4.2*2.3*3.0	3*2.2*2.7	3.6*2.3*3	4.2*2.6*3.2

	FS-40 HTSO	FS-45 HTSO	FS-55 HTSO	FS-65 HTSO	FS-75 HTSO	FS-55 HFSD	FS-65 HFSD	FS-75 HFSD	FS-90 HFSD	FS-40 HSDO	FS-55 HSDO	FS-65 HSDO	FS-75 HSDO
	Three Die-head 參模頭/Single Station 單模架					Four Die-head 肆模頭/Single Station 單模架				Single Die-head 單模頭/Double Station 雙模架			
	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP
	40	45	55	65	75	55	65	75	90	45	55	65	75
	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1
	20-66	15-61	15-60	15-60	15-58	15-60	15-60	15-58	15-58	15-61	15-60	15-60	15-58
	5	7.5	10	15	25	10	15	30	40	7.5	10	15	30
	5	7.5	10	10	15	10	15	15	15	7.5	10	10	15
	7.5	7.5	10	10	15	15	15	20	20	10	15	15	20
	4.6	4.6	5.7	5.7	5.7	6.8	6.8	6.8	6.8	4.6	4.6	5.7	5.7
	2.8	3.9	4.4	6.9	10	4.4	6.9	10	13	3.9	4.4	6.9	10
	38	55	60	80	120	60	80	120	250	60	80	120	160
	8	8	9	10	10	11	13	13	15	4	4	5	5
	8.5	12	15	19.3	21.5	16.5	20.8	25.7	30	9.5	12.5	16.8	18
	16.5	23.5	32	39	52.5	33.5	44	61	72	22	28	37	53
	15	24	36	55	75	36	55	75	100	24	36	55	75
	1250	1000	850	720	650	750	750	650	650	1030*2	880*2	720*2	650*2
	10-125	20-325	40-825	100-1000	180-1500	30-300	100-500	300-1000	500-2500	40-500	65-1250	150-2500	500-5000
	3-10	5-25	10-50	10-90	15-145	10-25	10-40	15-90	40-170	5-40	10-100	20-170	40-280
	10-45	20-55	30-55	30-80	95	70	70	90	90	10-75	20-100	30-140	50-200
	30	37	40	55	80	37	42	50	75	56	80	150	200
	75+75	85+85	100+100	120+120	120+120	100+100+100	120+120+120			*	*	*	*
	50-230	50-320	50-410	140-540	160-670	50-410	140-540	160-670	200-780	50-320	50-410	140-540	160-670
	100-210	126-232	156-292	200-380	236-452	156-292	200-380	236-452	250-550	126-232	156-292	200-380	236-452
	160	200	255	295	340	255	295	340	520	200	255	295	340
	2600	3200	3700	4700	7600	4000	5000	7900	9500	6400	6900	7400	8300
	2.3*1.8*2.2	3*1.4*2.3	3*1.5*2.3	3*1.6*2.6	4.2*1.7*2.7	3.1*1.8*2.3	3.1*1.9*2.9	4.3*2*3	5.3*2.2*3.7	3*1.8*2.5	3*1.9*2.5	3.6*2.0*2.8	4.2*2.3*3.0

FS-40 HSSD	FS-45 HSSD	FS-55 HSSD	FS-65 HSSD	FS-75 HSSD	FS-55 HFSSC	FS-65 HFSSC	FS-75 HFSSC
Two-layer 雙層/Single Die-head 單模頭/Single Station 單模架					Two Color 雙色/Single Head & Station 單頭單模架		
PE	PE	PE	PE	PE	PE	PE	PE
40/25	45/25	55/25	65/25	75/25	55/55	65/65	75/75
24/1	24/1	24/1	24/1	24/1	24/1	24/1	24/1
20-66	15-61	15-60	15-60	15-58	15-60	15-60	15-58
5/2	7.5/2	10/2	15/2	25/2	10/10	15/15	25/25
5	7.5	10	10	15	10	10	15
5	5	7.5	7.5	10	7.5	7.5	10
4.6	4.6	5.7	5.7	5.7	5.7	5.7	5.7
2.8	3.9	4.4	6.9	10	4.4	6.9	10
38	55	60	80	120	60	80	120
6	6	6	7	7	6	6	7
9.5	12	15	19.5	22	19	24.5	26
19	25	32	40.5	44	43	56	77
15	24	42	55	75	42	55	75
1285	1030	880	720	650	880	720	600
15-500	60-1000	150-2500	1L-5L	1L-10L	150-2500	1L-5L	1L-10L
5-40	10-100	20-170	40-280	80-500	20-170	40-280	80-500
10-75	20-100	30-140	50-200	80-260	30-140	50-200	80-260
50	56	80	150	200	80	150	200
*	*	*	*	*	*	*	*
50-320	50-410	140-540	160-670	160-670	140-540	160-670	160-670
126-232	156-292	200-380	236-452	236-452	200-380	236-452	236-452
200	255	295	340	340	295	340	340
2600	3100	3600	4500	7400	3600	4500	7400
2.3*1.7*2.7	3*1.4*2.8	3*1.5*2.8	3.6*1.6*3.1	4.2*1.7*3.2	3*1.5*2.8	3.6*1.6*3.1	4.2*1.7*3.2

PRESENTATION OF OPTIONAL EQUIPMENT

機械選配配備



- Auto Jar Neck Cutting Machine
- 廣口瓶口切割機



- Leaking Tester
- 測漏機



- Mixer
- 攪拌機



- In-mold Labeling Machine
- 模內貼標機



- Hopper Dryer
- 乾燥機



- Auto Loader
- 吸料機



- Proportional Device
- 比例器



- Auto 2-side Labeling Machine
- 自動雙面貼標機



- Crusher
- 粉碎機



- Master-batch Feeder
- 色母計量器



- Water Cooling Chiller
- 水冷式冷凍機



- Blow Mold & Injection Mold
- 吹塑模具及射出模具



- Servo Motor System for Machine Movement
- 機台動作伺服迴路



- Belt-type Conveyor
- 輸送帶



- Precise Oil Filter
- 精密淨油機



- Mold Temperature Controller
- 模溫機

- Air Cooling Chiller
- 氣冷式冷凍機





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